44. The granule of claim 41 wherein the at least one layer comprises a non-biosolid material.

45. The granule of claim 44 wherein the non-biosolid material is selected from the group consisting of ammonium sulfate, azo-group based polymers, calcium-linked polymer, cationic-linked polymers, diammonium phosphate, dried organic materials, dried inorganic materials, fertilizers, lignins, magnesium-linked polymers, natural polymers, nutrient fertilizers, plant polysaccharides, synthetic polymers, and combinations thereof.

46. The granule of claim 41 which has a diameter of less than about 10 mm.

47. The granule of claim 41 which contains less than ten percent water.

48. The granule of claim 41 wherein the at least one layer of said granule has a higher Eh than the core.

49. The granule of claim 41 wherein the at least one layer has a higher moisture level than said core.

50. The granule of claim 41 further comprising a coating that at least partially encapsulates said granule.

51. The granule of claim 50 wherein the coating comprises a material selected from the consisting of argose, biodegradable polymers, ethylene, ethylene vinyl acetate copolymer, polyacrylamide, polyethylene, polypropylene, polystyrene, propylene copolymer, vinyl chloride, vinylidene chloride, vinylidene chloride-vinyl chloride copolymer, and combinations thereof.

52. The granule of claim 41 further comprising one or more micronutrients.

2

53. The granule of claim 52 wherein the micronutrients are located in the core, in the at least one layer, or both.

54. The granule of claim 52 wherein the micronutrients are selected from the group consisting of ammonia, boron, cobalt, calcium, copper, iron, magnesium, manganese, molybdenum, zinc, and a salt thereof, and combinations thereof.

55. The granule of claim 54 wherein the salt is selected from the group consisting of as ammonium molybdate, boric acid, calcium nitrate, chelated complex of copper, cobalt chloride hexahydrate, copper nitrate, copper sulfate, disodium dihydro molybdate, ferrous nitrate, ferrous sulfate, magnesium nitrate, magnesium sulfate, manganese nitrate, manganese sulfate, nickel chloride hexahydrate, potassium chloride, sodium borate, sodium molybdate, zinc nitrate, zinc sulfate, and combinations thereof.

56. The granule of claim 55 wherein the zinc is present in a concentration greater than about 2,000 ppm.

57. The granule of claim 52 further comprising a coating such that said micronutrients are released from said granule in a timed release fashion.

58. The granule of claim 41 further comprising microorganisms.

59. The granule of claim 58 wherein the microorganisms are capable of metabolizing a toxic chemical or compound, replenishing depleted soil microflora, enhancing the transfer of nutrients to a target crop, or a combination thereof.

60. The granule of claim 41 further comprising a toxic compound.

61. A bioremediation method comprising contacting a plurality of the biosolid-containing granules of claim 41 to an area in need thereof.

62. The method of claim 61 wherein the area is a body of land or water.

3

63.   The method of claim 61 wherein the biosolid-containing granules further contain microorganisms, micronutrients or both.

64.   The method of claim 63 wherein the microorganisms metatabolize contaminants present in said area.

65.   A method for fertilizing an area comprising contacting a plurality of the biosolid-containing granules of claim 41 to an area in need thereof.

66.   The method of claim 65 wherein the area is a body of land or water.

67.   The method of claim 65 wherein the biosolid-containing granules comprise cationic polymer and zinc.

68.   A method for treating an area comprising contacting said area with a plurality of the biosolid-containing granules of claim 60.

69.   The method of claim 68 wherein the toxic compound is selected from the group consisting of herbicides, insecticides, pesticides, and combinations thereof. ---

4